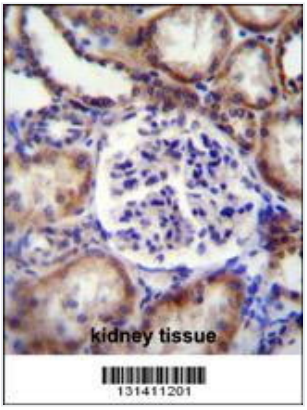
EFNB2 Antibody – Rabbit Polyclonal

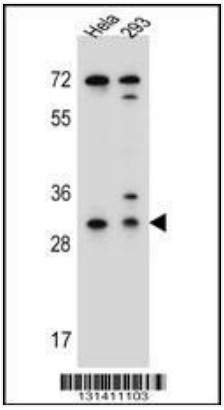
PRODUCT OVERVIEW

Product Name	EFNB2, Polyclonal Antibody
Full Product Name	EFNB2, ID (EFNB2, EPLG5, HTKL, LERK5, Ephrin-B2, EPH-related receptor tyrosine kinase ligand 5, HTK ligand) (AP)
Product Gene Name	anti-EFNB2 antibody
Product Synonym Names	EFNB2; EPLG5; HTKL; LERK5; Ephrin-B2; EPH-related receptor tyrosine kinase ligand 5; HTK ligand
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	333
Chromosome Location	Chromosome: 13; NC_000013.10 (107142079..107187388, complement). Location: 13q33
OMIM	600527
3D Structure	ModBase 3D Structure for P52799
Immunogen	EFNB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 164-194 amino acids from the Central region of human EFNB2.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-EFNB2 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-EFNB2 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-EFNB2 antibody	IHC: 1:10-50 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-EFNB2 antibody	This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. This gene encodes an EFNB class ephrin which binds to the EPHB4 and EPHA3 receptors.
Product References and Citations for anti-EFNB2 antibody	Zhang, R., et al. Psychiatry Res 180(1):5-9(2010). Bochenek, M.L., et al. J. Cell. Sci. 123 (PT 8), 1235-1246 (2010): Nakada, M., et al. Int. J. Cancer 126(5):1155-1165(2010). Qin, H., et al. J. Biol. Chem. 285(1):644-654(2010). Kwan Tat, S., et al. Arthritis Res. Ther. 11 (4), R119 (2009).

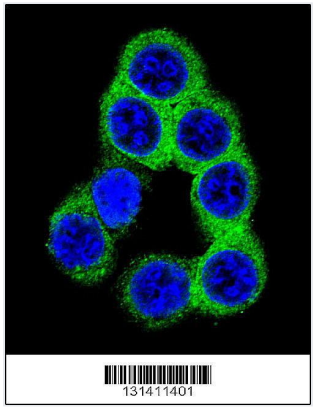
Other Notes	Small volumes of anti-EFNB2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for EFNB2 purchase	MBS6294599 is an antibody targeting EFNB2. Also known as EFNB2, ID (EFNB2, EPLG5, HTKL, LERK5, Ephrin-B2, EPH-related receptor tyrosine kinase ligand 5, HTK ligand) (AP). Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-EFNB2 antibody
EFNB2 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of EFNB2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blot (WB) of anti-EFNB2 antibody
EFNB2 Antibody (Center) western blot analysis in Hela,293 cell line lysates (35ug/lane).This demonstrates the EFNB2 antibody detected the EFNB2 protein (arrow).



Immunofluorescence (IF) of anti-EFNB2 antibody
Confocal immunofluorescent analysis of EFNB2 Antibody (Center) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EFNB2. It may not necessarily be applicable to this product.

NCBI GI #	4758250
NCBI GeneID	1948
NCBI Accession #	NP_004084.1
UniProt Primary Accession #	P52799
UniProt Secondary Accession #	Q5JV56
UniProt Related Accession #	P52799
GenBank Nucleotide #	NM_004093.3
NCBI Official Full Name	ephrin-B2

NCBI Official Synonym Full Names	ephrin-B2
NCBI Official Symbol	EFNB2
NCBI Official Synonym Symbols	HTKL; EPLG5; Htk-L; LERK5
UniProt Protein Name	Ephrin-B2
UniProt Synonym Protein Names	EPH-related receptor tyrosine kinase ligand 5; LERK-5; HTK ligand
Protein Family	Ephrin
UniProt Gene Name	EFNB2
UniProt Synonym Gene Names	EPLG5; HTKL; LERK5; LERK-5; HTK-L
UniProt Entry Name	EFNB2_HUMAN
NCBI Protein Information	ephrin-B2; LERK-5; HTK ligand; ligand of eph-related kinase 5; eph-related receptor tyrosine kinase ligand 5
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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